

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
25 September 2003 (25.09.2003)

PCT

(10) International Publication Number
WO 03/078433 A1

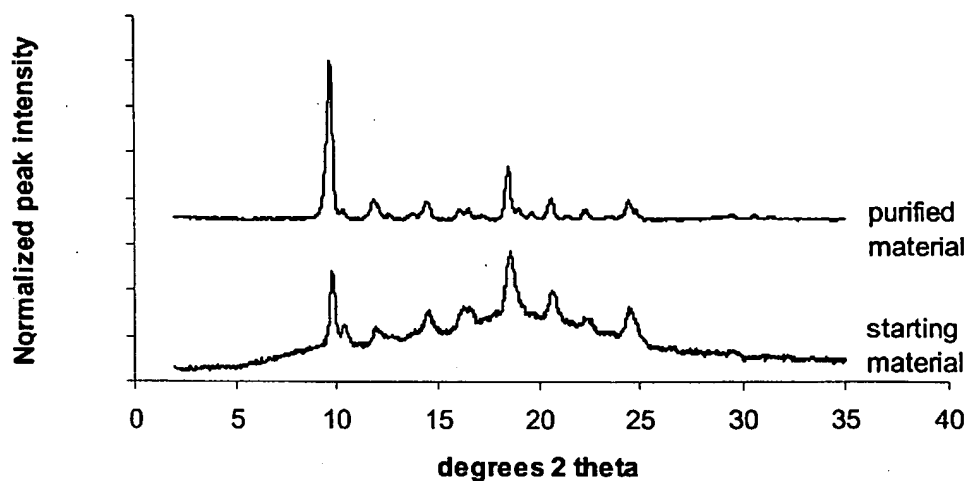
- (51) International Patent Classification⁷: C07D 457/06 (74) Common Representative: PHARMACIA ITALIA S.P.A.; Via Robert Koch, 1.2, I-20152 Milano (IT).
- (21) International Application Number: PCT/EP03/02628 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 10 March 2003 (10.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/364,567 15 March 2002 (15.03.2002) US
60/410,163 12 September 2002 (12.09.2002) US
- (71) Applicants (*for all designated States except US*): PHARMACIA CORPORATION [US/US]; 100 Route 206 North, Peapack, NJ 07977 (US). PHARMACIA ITALIA S.P.A. [IT/IT]; Via Robert Koch, 1.2, I-20152 Milano (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): SHEIKH, Ahmad, Y. [PK/US]; 9039 W. Church Street, 1-H, Des Plaines, IL 60016 (US). TOMASI, Attilio [IT/IT]; Via T. Gulli 49, I-20147 Milano (IT).
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PREPARING CRYSTALLINE FORM I OF CABERGOLINE



(57) Abstract: A process for producing crystalline form I of cabergoline, which process comprises the preparation of Form V using heptane as precipitation solvent, and its exclusive conversion into crystalline Form I of cabergoline. The present crystallization process from toluene-heptane solvent system for form V involves "reverse addition" of toluene-cabergoline concentrate to cold heptane.



WO 03/078433 A1